



**FACTSHEET**  
**(pursuant to NAC 445A.236)**

**Permittee Name:** PN II INC.  
8345 WEST SUNSET ROAD  
LAS VEGAS, NV - 89113

**Permit Number:** NS2008510

**Location:** CONESTOGA GOLF COURSE AT ANTHEM MESQUITE, CLARK  
1499 FALCON RIDGE PARKWAY, MESQUITE, NV - 89034  
LATITUDE: 36.84268330, LONGITUDE: -114.114883  
TOWNSHIP: 13 S, RANGE: 70 E, SECTION: 1,6

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	GOLF COURSE	Land Application Site		MESQUITE	NV	89027	CLARK	36.84268330	-114.114883	GROUNDWATER

**General:**

The Permittee, PN II Inc., has applied for a renewal to continue to use tertiary treated, denitrified, disinfected effluent from the adjoining Oasis Golf Course (OGC) that is supplied by the Mesquite Wastewater Treatment Facility (MWTF) [NS0040011]. The effluent will be used for reuse irrigation at the Conestoga Golf Course at Anthem Mesquite (CGCAM) facility. The MWTF effluent is first delivered to the OGC where the reclaimed water is blended with Virgin River ditch water in the effluent storage pond at OGC. Once blended, it is conveyed via pump station and force main to the 40 mil PVC lined aerated effluent storage lake at CGCAM. Effluent irrigation is controlled remotely with an onsite weather station program which automatically controls the Rainbird WS-PRO-Sh System field satellite controllers used for irrigation. All reuse activities are to be conducted in accordance with the Effluent Management Plan (EMP) and terms and conditions of the permit. The quality of the effluent supplied to the CGCAM meets NAC 445A.276 reuse Category A requirements. The 18-hole golf course irrigated areas include: 90 acres of fairway, tees, greens, driving range turf grasses, and other surrounding landscape.

**Discharge Characteristics:**

The MWTF will be providing tertiary treated, denitrified, disinfected reuse water to the CGCAM that meets NAC 445A.276 reuse Category A requirements. The reuse water will be applied via spray irrigation at the golf course, drip irrigation for the ornamental plant materials uses in accordance with the permit conditions and the EMP. The reuse water will be used for onsite construction and dust control uses as well.

**Receiving Water:**

The receiving water is groundwater of the State underlying the reuse site. A municipal supply well several thousand feet southwest of the CGCAM shows a static groundwater level of approximately 110 feet below ground surface. There is a thick clay confining layer above the water table which may cause artesian pressures. No adverse effects are expected to occur as a result of this effluent reuse.

**Summary of Changes From Previous Permit:**

Due to a new permit naming convention at NDEP, Bureau of Water Pollution Control, CGCAM permit ID has been changed from NEV2008510 to NS2008510. This change does not reflect a change in the type of permit being issued. NEV and NS permits are for groundwater discharges to the State of Nevada. These are not to be confused with "NV" permits which are reserved for NPDES Permitting.

In order to maintain consistency with current NDEP policy and requirements of similar reuse facilities, the monitoring of Total Nitrogen has been added to the re-use discharge table.

The Total Coliform limit, listed on the re-use discharge table, has been changed to Monitor and Report (M&R).

The Permittee name was changed to PN II LLC.

**Proposed Effluent Limitations:**

The discharge shall be limited and monitored by the Permittee as specified below:

### Re-use Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total <sup>[1]</sup>	30 Day Average		M&R Milligrams per Liter (mg/L)	Prior to Reuse	001	Monthly	DISCRT
Flow rate	Daily Maximum	< 1 Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Flow rate	30 Day Average	< 1 Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Coliform, total general <sup>[1]</sup>	Daily Maximum		M&R Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	001	Weekly <sup>[1]</sup>	DISCRT
Coliform, total general <sup>[1]</sup>	30 Day Average		M&R Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	001	Weekly <sup>[1]</sup>	DISCRT
Nitrogen, total <sup>[1]</sup>	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	001	Monthly	DISCRT

#### Notes (Re-use Discharge Limitations Table):

1. Sample results may be obtained from MWTF Permit NS0040011 and reported by the Permittee.

**Re-use Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Annually**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Annual Total	M&R Pounds per Year (lb/yr)		Prior to Reuse	001	Annual	CALCTD

**Rationale for Permit Requirements:**

Required parameters are monitored to ensure effluent reuse requirements are maintained (NAC 445A.275, 445A.276) and groundwaters of the State are protected. Total Coliform and Total Nitrogen monitoring is required to evaluate the quality of the reclaimed water that is applied, and for protection of human health and the environment.

**Fecal Coliform:**

Fecal coliform concentration limits were replaced with M&R in the Re-use Discharge Limitations Table for Location 001 (Golf Course) in this permit renewal. This is due to fecal coliform concentrations already being managed and monitored by the Mesquite Wastewater Treatment Facility (MWTF) under effluent limitations defined in Permit NS0040011. The treated effluent meets reuse category A requirements.

**Special Conditions:**

The Permittee shall be in substantial compliance upon issuance of the permit.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items
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**Flow:**

The 30-Day Average Flow Rate may not exceed 1 MGD.

**Corrective Action Sites:**

There are no Bureau of Corrective Actions remediation sites located within a one-mile radius from the center-point of the property.

**Wellhead Protection Program:**

The CGCAM is located within 6,000 feet of a Drinking Water Protection Area.

The CGCAM is not located within a Wellhead Protection Area.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two(2) copies of an updated Effluent Management Plan (EMP) for review by the Division. The EMP shall be prepared by a Nevada Registered Professional Engineer or other qualified person. If no updates or revisions are required, the Permittee shall submit a letter by the due date stating that there have been no changes to the previous EMP.	10/1/2015

**Deliverable Schedule:**

## DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMR	Quarterly	10/28/2015
2	Annual Report	Annually	1/28/2016

**Procedures for Public Comment:**

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Moapa Valley Progress, Las Vegas Review Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **5/15/2015** , a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

**Proposed Determination:**

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Felicia Nichols**

Date: **4/6/2015**

Title: **Staff Engineer**